a sawlike prismatic surface which is formed on said rear surface of said transparent screen, and provided with plural edges shaped into concentric circles centering around a central point situated outside said transparent screen,

wherein an optical axis of said projector passes through said central point, and

a ray of light incident on a first face looking downward and neighboring with each of said plural edges is transmitted into said transparent screen, and said ray of light transmitted through said first face is reflected by a second face looking upward and neighboring with said same edge to a front surface of said transparent screen, wherein an angle formed by said ray of light incident on said first face and said optical axis of said projector is greater than 40° and less than 90°, wherein:

an angle α_2 formed by said first face and a line perpendicular to said optical axis of said projector is given by a following equation that

$$\tan\alpha_2 = \left[n_2\sin\left\{ \sin^{-1}\left((n_3/n_2) \sin\theta_2 + n_1\sin\theta_1\right) + 2\alpha_1\right\} + n_1\sin\theta_1\right] /$$

$$\left[n_1\cos\theta_1 - n_2\cos\left\{ \sin^{-1}\left((n_3/n_2) \sin\theta_2 + n_1\sin\theta_1\right) + 2\alpha_1\right\} \right],$$

wherein a refractive index of a first medium brought into contact with said sawlike prismatic surface of said transparent screen is denoted by n_1, a refractive index of a second medium forming said transparent screen is denoted by n_2, a refractive index of a third medium brought into contact with a front surface of said transparent screen is denoted by n_3, an angle formed by said ray of light incident on said first face and said optical axis of said projector is

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denoted by θ_1, a refraction angle of a ray of light shot out from said front surface of said

transparent screen is denoted by θ_2, and an angle formed by said first and second faces is denoted

by α_1.

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5 ~~6~~. (Amended) A picture display of a rear surface projection type comprising:

a projector for shooting out a light flux modulated by a picture,

a transparent screen, on a rear surface of which said light flux shot out from said

projector is projected, and

a sawlike prismatic surface which is formed on said rear surface of said transparent

screen, and provided with plural edges shaped into concentric circles centering around a central

point situated outside said transparent screen,

wherein an optical axis of said projector passes through said central point, and

a ray of light incident on a first face looking downward and neighboring with each of said

plural edges is transmitted into said transparent screen, and said ray of light transmitted through

said first face is reflected by a second face looking upward and neighboring with said same edge

to a front surface of said transparent screen, wherein an angle formed by said ray of light incident

on said first face and said optical axis of said projector is greater than 40° and less than 90°,

wherein:

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a light absorption layer for absorbing an external light transmitted into said transparent

screen through said front surface thereof is formed on an external surface of said second face

looking upward.

Please add the following new claims:

3 5. (New) A picture display of a rear surface projection type according to claim 2¹,

wherein a light absorption layer operable to absorb an external light transmitted into said

transparent screen through said front surface is formed on an external surface of said second face

looking upward.

4 6. (New) A picture display of a rear surface projection type according to claim 5³,

wherein said light absorption layer comprises black ink.

6 7. (New) A picture display of a rear surface projection type according to claim 4⁵,

wherein said light absorption layer comprises black ink.